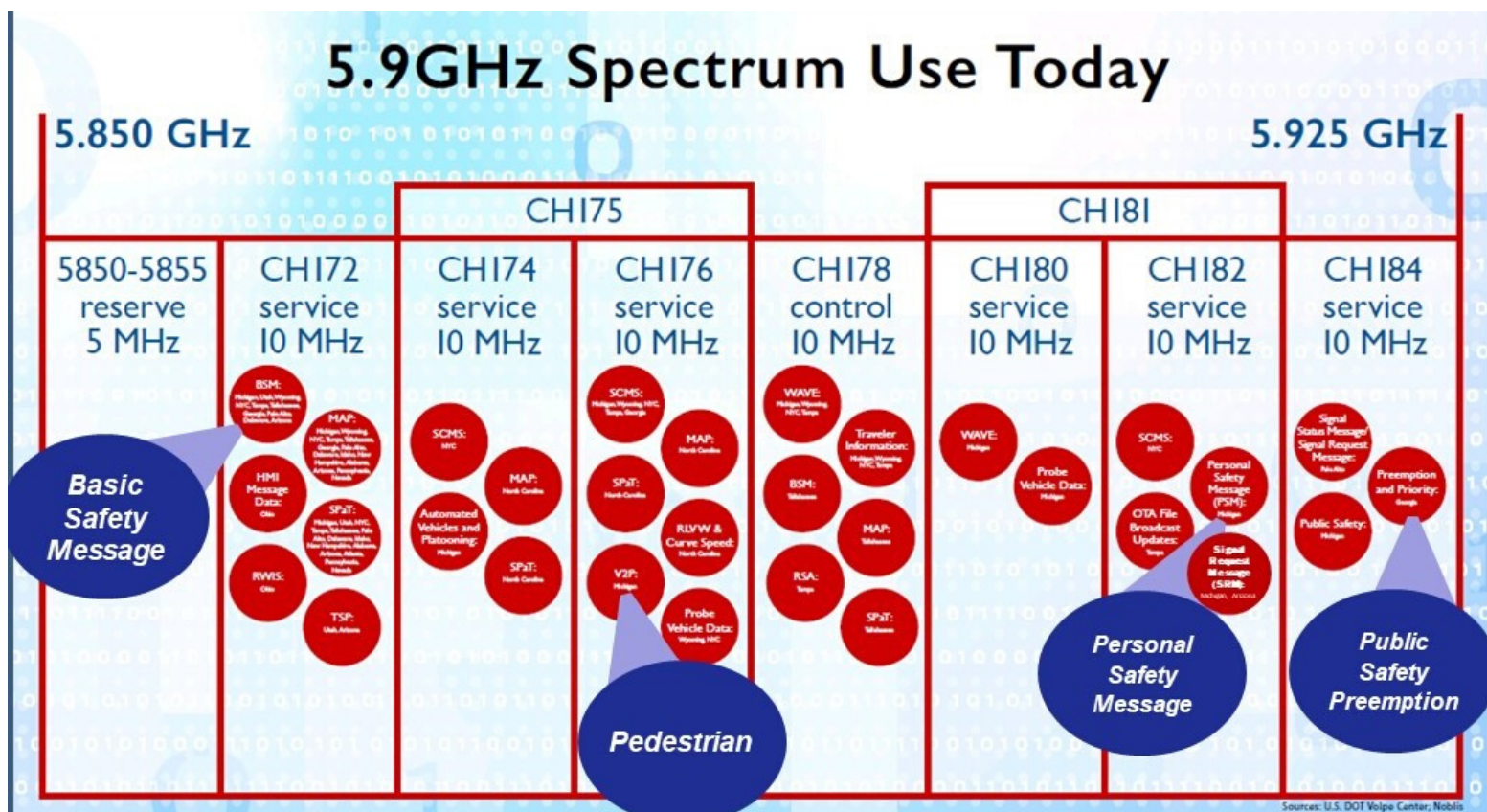




The 5.9 GHz Safety Band

CURRENT CHANNEL USE

The "Safety Band" consists of seven adjacent 10 MHz channels starting at 5855 MHz (even channel numbers 172 to 184) with **special designations for Ch. 172 and 184, limiting their use to specific safety-oriented communication**. Ch. 172, is critically important. It was designated "exclusively for V2V safety communications for accident avoidance and mitigation, and safety of life and property applications." The automotive industry, States and many municipalities are already deploying V2X technology and actively utilizing **all seven channels** of the 5.9 GHz band. There are more than 80 active deployments of V2X communications with thousands of vehicles already on the road.



Channel 172: Basic Safety Messaging (BSM); RWIS; HMI Message Data; MAP; SPaT; TSP

Channel 174: SCMS; MAP; AV and Platooning; SPaT

Channel 176: SCMS; MAP; SPaT; V2P; RLVW Curve Speed Warning; Probe Vehicle Data

Channel 178: BSM; WAVE; Traveler information; MAP; RSA; SPaT

Channel 180: WAVE; Probe Vehicle Data; Signal Request Message (SRM)

Channel 182: SCMS; OTA File Broadcast Updates; SRM; Personal Safety Message (PSM)

Channel 184: Public Safety; Signal Status Message/Signal Status Message; Preemption and Priority

For more information, visit:

<https://www.transportation.gov/content/safety-band>